

Heavy Equipment Transporter System (HETS)



MISSION

Deploys, transports, recovers, and evacuates a combat-loaded M1 series tank or other vehicles of similar weight.

DESCRIPTION AND SPECIFICATIONS

The Heavy Equipment Transporter System (HETS) consists of the M1070 truck tractor and M1000 semitrailer (70 ton) which are being procured under separate acquisition programs. The new HETS transports 70-ton payloads, primarily M1 series tanks. It operates on highways worldwide (with permits), secondary roads, and cross-country. The HETS has a number of features that significantly improve the mobility and overall performance of the system in a tactical environment. The M1070 tractor has front- and rear-axle steering, a central tire-inflation system, and cab space for six personnel to accommodate the two HETS operators and four tank crewmen. The M1000 semitrailer has automatically steerable axles and a load-leveling hydraulic suspension.

Speed: 40–45 mph on highway (25–30 mph with 70 ton payload)

Range: 300 mi

Transport: C-5 and C-17 aircraft

Mobility: 95% on road; 5% off road

RAM: 3,000 mean miles between hardware mission failure for both tractor and trailer

FOREIGN COUNTERPART

Czech Republic: TATRA T-816 Tractor; Germany: Daimler-Benz Actros Tractor, Mercedes-Benz Type 2648S Tractor, M.A.N. Tractor, Kogel ST 70-93 Semi-trailer; Italy: IVECO Tractor; France: Lohr SMC 60 DT Semi-trailer; Russia: Volat Tractor, ChMZAP-9990 Semi-trailer; Spain: Kynos ALJABA Tractor and Semi-trailer; United Kingdom: Alvis Unipower MH8875 Tractor with TST 70MD6/2 Semi-trailer, King GTS100/6S-19.5 Semi-trailer.

FOREIGN MILITARY SALES

Israel has purchased 37 trailers. The approved configuration will vary from the U.S. version.

PROGRAM STATUS

Approximately 1,792 systems have been fielded as of 1QFY00. Efforts are underway to insert commercial technology enhancements into the tractor, improve reliability, maintainability and safety; and meet current Environmental Protection Agency/Department of Transportation laws. The results will be used to update performance specifications for new procurement.

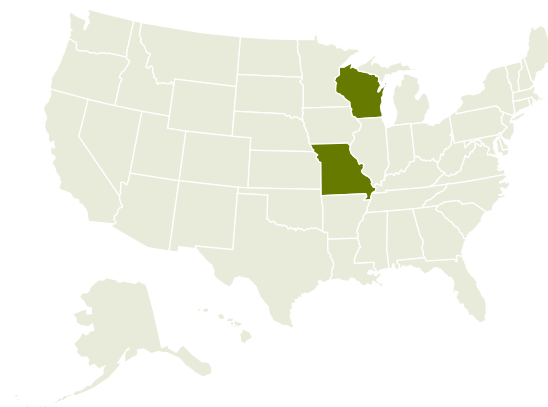
PROJECTED ACTIVITIES

- Draft solicitation to be published, based on competitive solicitation in FY00.
- Future fieldings slated for newly activating cargo transfer and National Guard transportation companies, as well as prepositioned (shipboard war-reserve) stocks.

PRIME CONTRACTORS

Tractor: Oshkosh Truck (Oshkosh, WI)

Trailer: Systems & Electronics (St. Louis, MO)



* See appendix for list of subcontractors

